

1	ATGAGCTCCGCATGCCAGGGCGTCGCCCTAGTCGTCAACCTCTCACITGACCAGG	60
1	M S S R I A R A L A L V V T L L H L T R	20
61	CTGGCGCTCTCACCTGCCCGCTGCCACTGCCCTGGAGGCGCCAAGTGCAGCG	120
21	L A L S T C P A A C H C P L E A P K C A	40
121	CCGGGAGTCGGGCTGGTCCGGGACGGCTGCCGTGCTTAAGGTCTGCCAAGCAGCTC	180
41	P G V G L V R D G C G C C K V C A K Q L	60
181	AACGAGGACTGCAGAAAACGCAGCCCCGACACACACCAAGGGCTGGAATGAACTTC	240
61	N E D C S K T Q P C D H T K G L E C N F	80
241	GGGCCAGCTCACCGCTCTGAAGGGGATCTGCAGAGCTCAGTCAGAGGGCAGACCCTGT	300
81	G A S S T A L K G I C R A Q S E G R P C	100
301	GAATATAACTCCAGAACATCACCAAAACGGGAAAGTTCCAGCCAACGTAAACATCAG	360
101	E Y N S R I Y Q N G E S F Q P N C K H Q	120
361	TGCACATGTATTGATGGCGCCGTGGCTGCATTCTCTGTGTCCCCAAGAACTATCTCTC	420
121	C T C I D G A V G C I P L C P Q E L S L	140
421	CCCAAATTGGCTGTCCAACCCCTGGCTGGTCAAAGTTACCGGGCAGTGTGCGAGGAG	480
141	P N L G C P N P R L V K V T G Q C C E E	160
481	TGGGTCTGTGACGAGGATAGTATCAAGGACCCATGGAGGACCAGGACGGCTCTGGC	540
161	W V C D E D S I K D P M E D Q D G L L G	180
541	AAGGAGCTGGATTGATGCCCTCCGAGGTGGAGTTGACGAGAACAAATGAATTGATTGCA	600
181	K E L G F D A S E V E L T R N N E L I A	200
601	GTTGGAAAAGGCAGCTCACTGAAGCGGCTCCCTGTTTGGATGGAGGCTCGCATCTTA	660
201	V G K G S S L K R L P V F G M E P R I L	220

FIG.1A

TOP 1000 OTS TO 660

661	TACAACCCTTACAAGGCCAGAAATGTATTGTTCAAACAACTTCATGGTCCCAGTGCTCA	720
221	Y N P L Q G Q K C I V Q T T S W S Q C S	240
721	AAGACCTGTGGAACTGGTATCTCACACGAGTTACCAATGACAACCCGTGAGTGCGCCTT	780
241	K T C G T G I S T R V T N D N P E C R L	260
781	GTGAAAGAAAACCCGGATTGTGAGGTGCGGCCTTGTGGACAGCCAGTGTACAGCAGCCTG	840
261	V K E T R I C E V R P C G Q P V Y S S L	280
841	AAAAAGGGCAAGAAATGCGCAAGACCAAGAAATCCCCGAACCAAGTCAGGTTACTTAC	900
281	K K G K K C S K T K K S P E P V R F T Y	300
901	GCTGGATGTTGAGTGTGAAGAAATACCGGCCAAGTACTGCGGTTCTCGCTGGACGGC	960
301	A G C L S V K K Y R P K Y C G S C V D G	320
961	CGATGCTGACGCCAGCTGACCAGGACTGTGAAGATGCGGTTCCGCTGCGAAGATGGG	1020
321	R C C T P Q L T R T V K M R F R C E D G	340
1021	GAGACATTTCCAAGAACGTATGATGATCCAGTCCTGCAAATGCAACTACAACTGCCG	1080
341	E T F S K N V M M I Q S C K C N Y N C P	360
1081	CATGCCAATGAAGCAGCGTTCCCTTACAGGCTGTTCAATGACATTACAAATTAGG	1140
361	H A N E A A F P F Y R L F N D I H K F R	380
1141	GACTAA 1146	
381	D * 382	

FIG. 1B

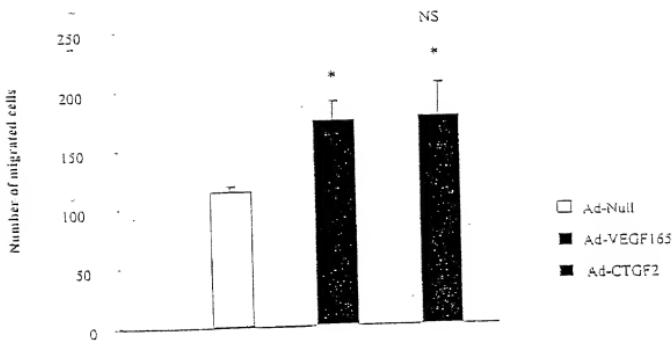


FIG. 2

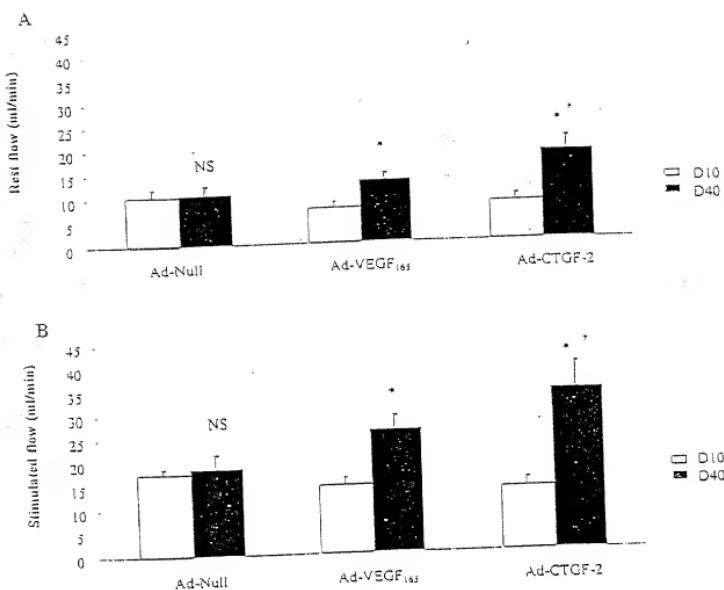


FIG. 3

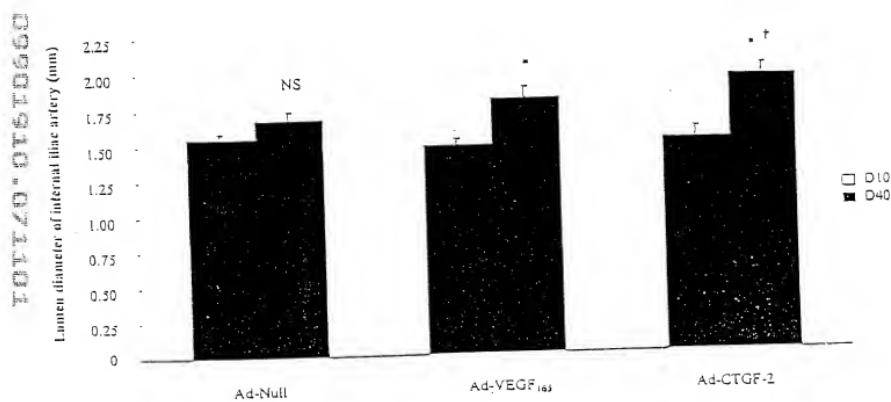


FIG. 4

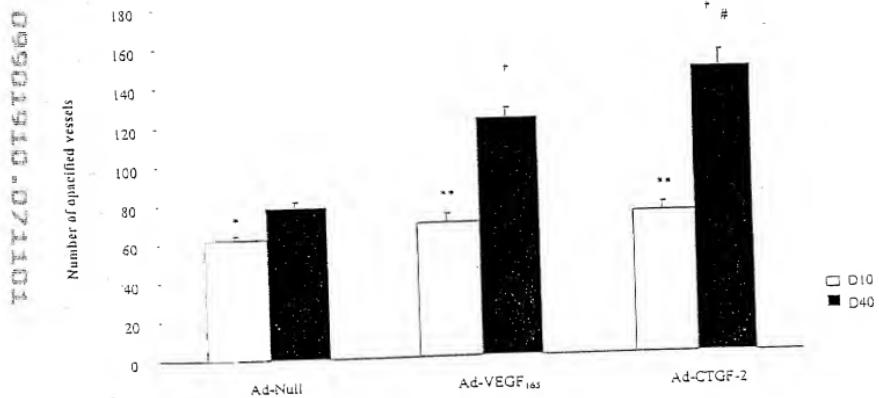


FIG. 5

7/14

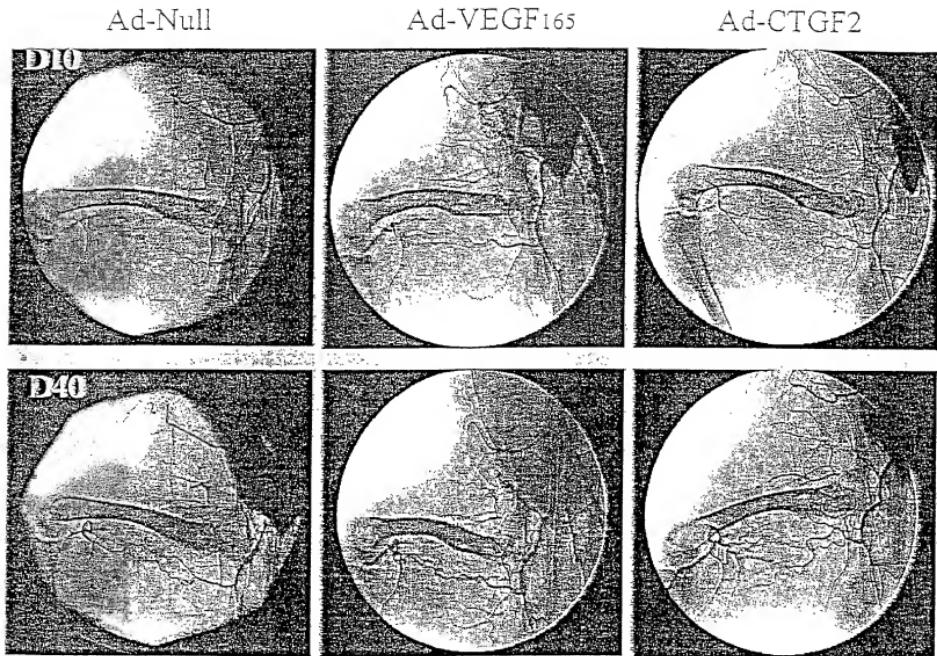


FIG. 6

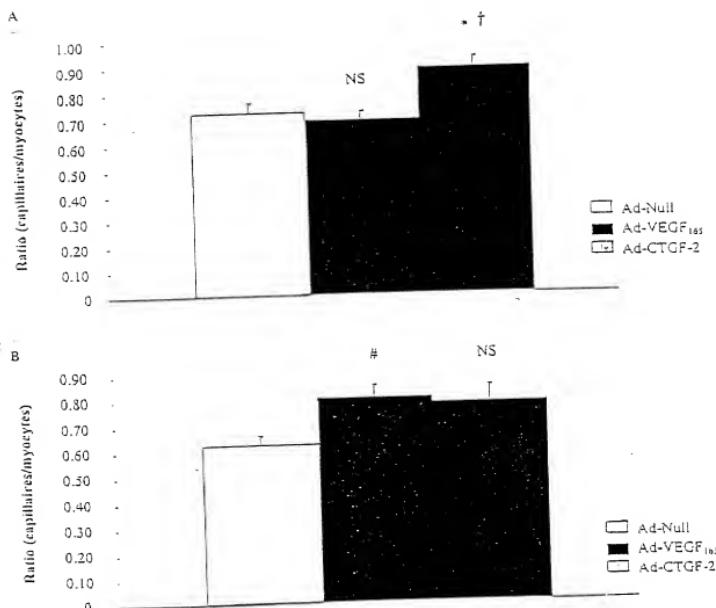
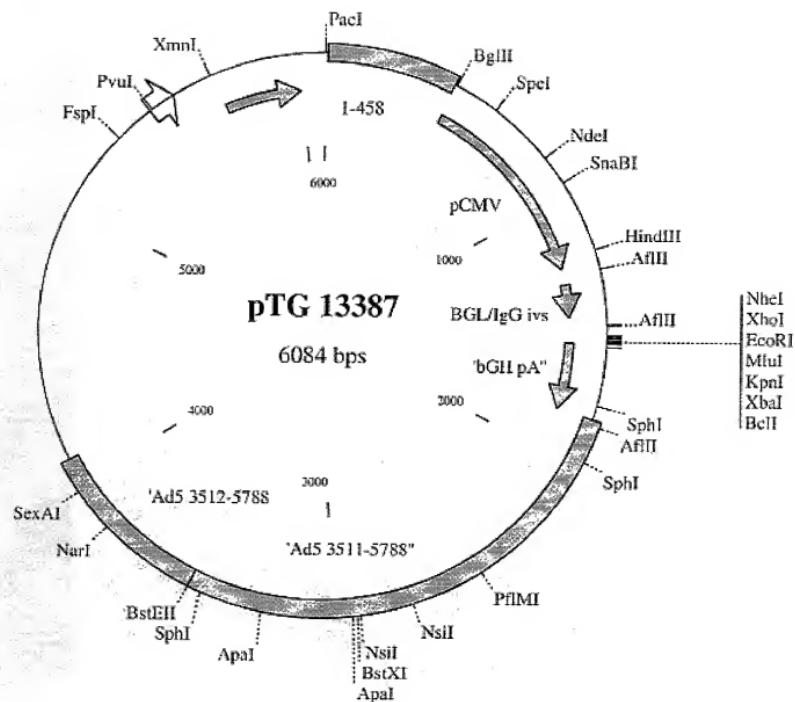


FIG. 7

**FIG. 8**

KOVETTOS60

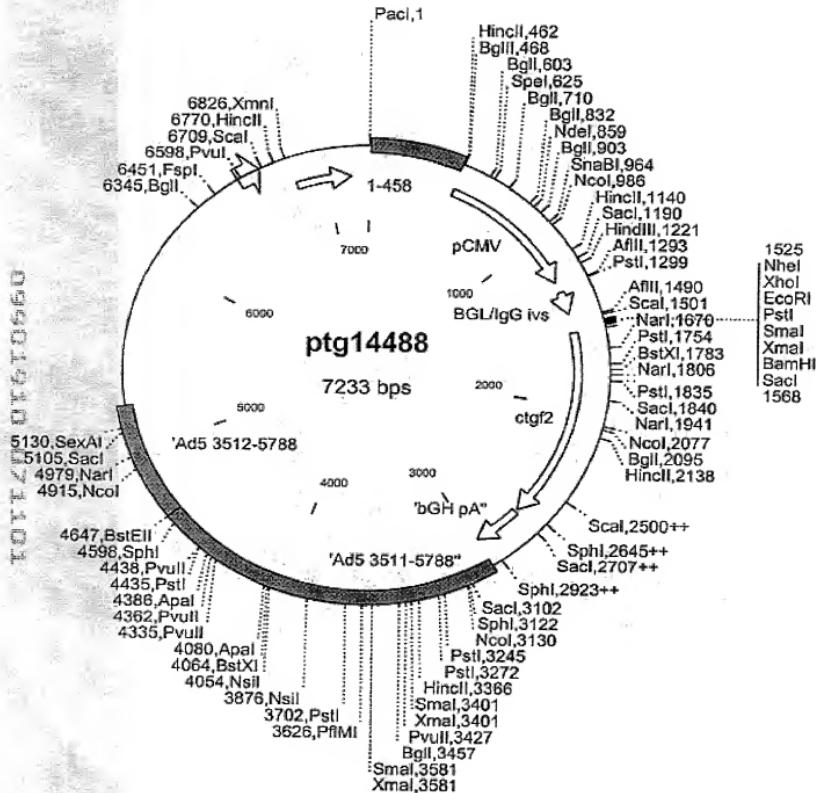


FIG. 9

100% STOOGED

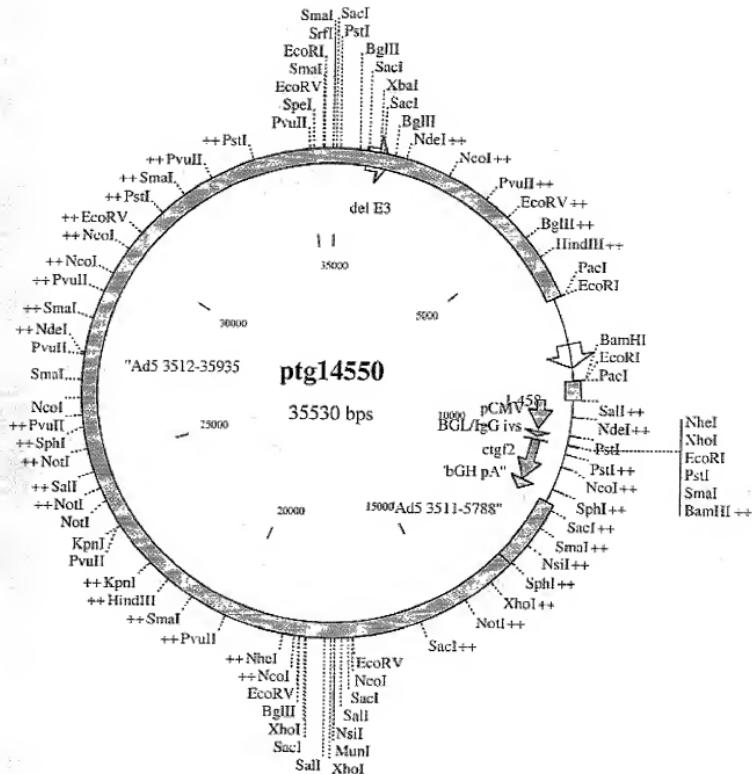


FIG. 10

FIG. 11A

ATGAGCTCCGAATCGTCAGGGAGCTGCCCTTAGTCGTACCCCTCTCCACTTGACCAAGG
 M S S R I V R E L A L V V T L' L H L T R
 GTGGGGCTCTCCACCTGCCCGCTGACTGCCACTTGCCCCCTGGAGGGGCCAAGTGCAGCG
 V G L S T C P A D C H C P L E A P K C A
 CCGGAGTCGGCTGGTCCGGGACGGCTGGGGCTGTTGTAAGGCTTGCCAAAGCAGCTC
 P G V G L V R D G C G C C K V C A K Q L
 AACGAGGACTGCAGAAAAACGGCAGCCCCTGGGACCCACACCAAGGGCTGGAATGCAACCTTC
 N E D C R K T Q P C D H T K G L E C N F
 GGCGCCAGCTCCACCGCTCTGAGGGGGNTCTGGAGGGCTCAGTCAGGGCAGACCCCTGT
 G A S S T A L K G I C R A Q S E G R P C
 GAATATAACTCCAGAATCTACCAAAACGGGGAAAGTTCCAGCCAACCTGAAACATCAG
 E Y N S R I Y Q N G E S F Q P N C K H Q
 TGACACATGTTATGGATGGCCGGGGGCTTGCACTTCCTCTGTTCCCAAAGAACATATCT
 C T C I G W R R G A C I P L C P Q E L S
 CTCCCCAACATTGGCTGTCACCCCTGGCTGGTCAAAGTTACCGGGCAAGTGTGCGAG
 L P N L G C P N P R L V K V T G Q C C E
 MATCH WITH FIG. 11B

MATCH WITH FIG. 11A

GAGTGGCTCTGTGACGAGGATAGTATCAAGGACCCATGGAGGACCAGGGACGGCCCTCCTT
 E W V C D E D S I K D P M E D Q D G L L

FIG. 11B

GGCAAGGGCTGGGATTGATGCCCTCCGAGGTTGAGTTGACCGAGAACATGAAATTGATTGATT
 G K G L G F D A S E V E L T R N N E L I

GCAGTTGGAAAAGGCAGGTCACTGAAGGGCTCCCTGTGTTTGGAATGGAGCCTCGCATC
 A V G K S S L K R L P V F G M E P R I

CTATACAACCTTTACAAGGCCAGAAATGTTATGTTCAAAACACTTCATGGTCCCAGTGC
 L Y N P L Q G Q K C I V Q T T S W S Q C

TCAAAGACCTGTGGAACCTGGTATCTCCACACGAGTTACCAATGACAACCTTGAGTCGC
 S K T C G T G I S T R V T N D N P E C R

CTTGTGAANGAAACCGGATTGTGAGGTGCGGCCCTTGAGCACGCCAGTGTACAGCAGC
 L V K E T R I C E V R P C G Q P V Y S S

CTGAAAAGGGCAAGAATGAGCAAGACCAAGAAATCCCCGAACCAAGTCAAGGTTTACT
 L K K G K C S K T K S P E P V R F T

MATCH WITH FIG. 11C

TYTTCGATGTTCTGAAATACCGGCCAAAGTACTGGGTTCCTGCCTGGAC

MATCH WITH FIG. 11B

TACGCTGGATGTTGAGTGTGAAATACCGGCCAAAGTACTGGGTTCCTGCCTGGAC
Y A G C L S V K K Y R P K Y C G S C V D

FIG. 11C

GGCGATGCTGCACGCCCAAGCTGACCCGGACTGTGAAGGATGGGTTCCTGCCTGGAAAGAT
G R C C T P Q L T R T V K M R F P C E D

GGGGAGACATTCCAAAGAACGTATGATGATCCAGTCCTCCAAATGCAACTACAAC TG C
G E T F S K N V M M I Q S S K C N Y N C

CCGCATGCCAATGAAGCAGCGTTCCCTTCTACAGGCTGTTCCAATG A
P H A N E A A F P F Y R L F Q *